

EDG Development

Discussion Agenda

- **Selected EDG 3.4 Topics**
 - Demo of “AIRS Browse” Search Feature
 - EDG and Regulation 508
- **Review and Discussion of EDG 3.5**
 - Current Worklist
 - Error and status messages
 - Our thoughts/ideas for a revised keyword search method
 - Open Discussion: Topics of your choice
- **EDG and ECHO**
- **The Brainstorming Session:** What should the EOS Data Gateway REALLY be able to do?

Selected EDG 3.4 Topics

- **AIRS-browse Search**
 - Function requested by AIRS Science Team
 - Potential use by other science groups
- **What has been done to EDG to comply with Reg. 508?**
 - Goal: A visually impaired user with a text-reader browser can navigate the EDG
 - Alt tags: More descriptive English
 - Links: Increase usage, minimize icons
 - Remove colors: No red
 - Still, EDG is by its nature a very visually-oriented system, e.g. Granule coverage map, L7 subsetting, AIRS-browse, etc.
 - 508 imposes some technological constraints too: java script, applets, etc.

EDG 3.5

- **Planned work (to date) for 3.5 is prioritized**
- **High Priority Items**
 - Additional UAH Subsetter Support : Text-based entry of row/column values
 - Investigate ways to prevent users from hitting the "Search submit" button multiple times for a single search.
 - Limit size of order requests based on volume of order or number of granules ordered.
 - Link to a User Satisfaction Survey
 - Search interface redesign of the keyword selection section
 - Support for ASTER On-Demand processing using standard order options

EDG 3.5 (More)

- **Medium Priority Items**

- Allow user prefs option to set desired media options (MISR team request)
- Analyze performance of web server
- Analyze potential of adding a pan/zoom capability for browse. Implement if feasible
- Make ODL keyword PHONE a sequence string (EDC)
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- **Low Priority Items**

- Add mercator version of orthographic map to geo map options (dependent upon development of mercator map by 3rd party)
- Analyze feasibility of adding the ultra-high resolution map to the coveragemap function.

EDG 3.5 (More)

- **Error and status messages**
 - Developed many moons ago during Version 0 development
 - Not much attention paid to the messages since then
 - Suggestions for changes? (remember potential data server impact)
- **A new way to search by keywords?**
- **Other topics of your choice**

EDG and ECHO

- **Goal: Use EDG to search ECHO database and submit orders**
 - Short term (summer): Build and submit a search, receive and display granules
 - Longer term (Nov 30): End-to-end data search and order
- **Development Philosophy**
 - Demonstrate “basic” search capability (e.g. directory, inventory) and ordering
 - After basic capability (post 11/30), add more functionality to interface using progressively more ECHO capabilities
- **Where we stand (today)**
 - Query ECHO to create valids
 - Use those valids to create a standard EDG query
 - Transform that query into ECHO XML
 - Send query to ECHO and parse the returned dataset results
 - Load results into a standard EDG dataset display table, display dataset attributes
- **Next Step: Receive and display granules**

Brainstorming Session

- **We are not abandoning the EDG, but we are interested in “future interfaces”**
 - So, session title should actually be: “What should the EOS Data Gateway, OR FUTURE INTERFACES, really be able to do?”
- **What this session is:** Talk about “big ideas”. How should “future interfaces” approach data search and order?
- **What this session is not:**
 - Creation of a laundry list of current complaints about EDG.
BUT: We do recognize that some current complaints can be used as input for a “big idea”
 - A formal requirements meeting. We are just brainstorming here.